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RELIABILITY PREDICTION

Model : PT-45 Data:2000-01-31

Style	**Part Type**	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	6	0.003700	10	0.222000	5.825
9.1	Resistor-Film, Chip (RM)	30	0.003700	10	1.110000	29.123
9.1	Resistor-Wirewound Power (RW)	1	0.008500	10	0.085000	2.230
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	10.495
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.367
10.1	Capacitor-Metal, Plastic (CH)	3	0.000510	10	0.015300	0.401
10.1	Capacitor-Ceramic(Gen.) (CK)	18	0.001700	10	0.306000	8.029
10.1	Capacitor-Aluminum Dry (CE)	10	0.001300	10	0.130000	3.411
6.1	Diode-Gen. Purpose Analog	1	0.003600	8	0.028800	0.756
6.1	Diode-Switching	3	0.000940	8	0.022560	0.592
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	9.655
6.1	Diode-Power Rectifier / Schottky Power	6	0.002800	8	0.134400	3.526
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	2	0.003300	8	0.052800	1.385
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.525
6.4	Transistor-MOSFET	1	0.014000	8	0.112000	2.939
6.11	OPTO-isolator	2	0.027000	8	0.432000	11.335
5.1	Linear Microcircuits	3	0.009500	10	0.285000	7.478
11.1	Transformer Switching	1	0.000610	3	0.001830	0.048
11.2	Coil Fixed inductor or choke	4	0.000032	3	0.000384	0.010
17.1	Single Connections-Reflow solder	247	0.000069	1	0.017043	0.447
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.006
22.1	Fuses	1	0.010000	1	0.010000	0.262
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	1.154
Total Failure rate:					3.811357	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 262373.74 **hrs**

Approved by: David Wang Compiled by: Kim Tseng .